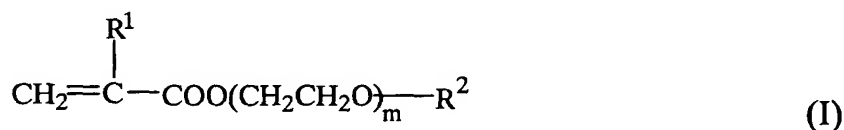


WHAT IS CLAIMED IS:

1. An aqueous dispersion comprising water-insoluble vinyl polymer particles, wherein the particles contain C. I. Pigment Blue 15:4 as a colorant.

2. The aqueous dispersion according to claim 1, wherein the water-insoluble vinyl polymer is prepared by polymerizing a monomer composition comprising:

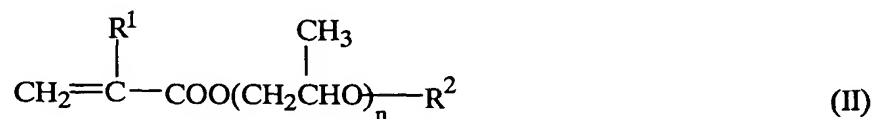
(A) 0 to 45% by weight of a monomer A represented by formula (I):



wherein R^1 is a hydrogen atom or a methyl group; R^2 is a hydrogen atom, an alkyl group having 1 to 20 carbon atoms or a phenyl group which may have an alkyl group having 1 to 9 carbon atoms; and m is a number of 1 to 30;

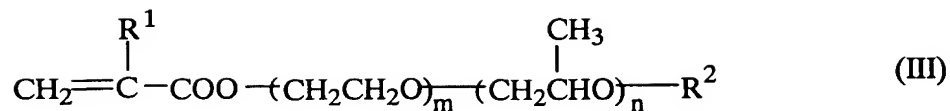
(B) 0 to 45% by weight of at least one monomer selected from the group consisting of:

a monomer B1 represented by formula (II):

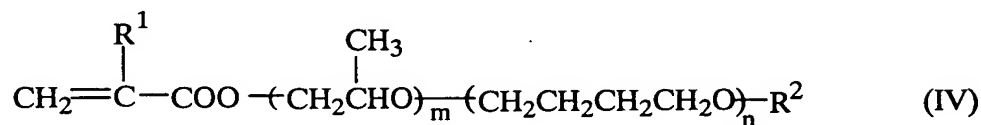


wherein R^1 and R^2 are as defined above; and n is a number of 1 to 30,

a monomer B2 represented by formula (III):



wherein R^1 , R^2 , m and n are as defined above, and oxyethylene group and oxypropylene group are added in a block or random form, and
 5 a monomer B3 represented by formula (IV):



wherein R^1 , R^2 , m and n are as defined above, and oxypropylene group and oxytetramethylene group are added in a block or random form;

- 10 (C) 3 to 40% by weight of a monomer having a salt-forming group; and
 (D) 15 to 87% by weight of a copolymerizable monomer copolymerizable with the monomer A, the monomer B1, the monomer B2, the monomer B3 and the monomer having a salt-forming group,
 wherein the total content of the monomer A and the monomer B is at least 5% by
 15 weight.

3. The aqueous dispersion according to claim 2, wherein the copolymerizable monomer comprises at least one monomer selected from the group consisting of an aromatic ring-containing monomer and a macromer.

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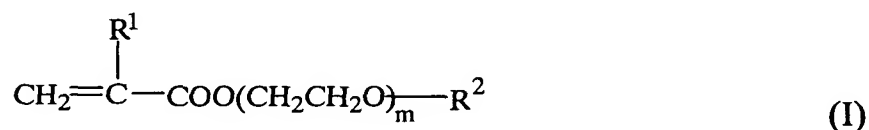
4. The aqueous dispersion according to claim 3, wherein the aromatic ring-

containing monomer is at least one member selected from the group consisting of styrene, α -methylstyrene, vinyltoluene and vinylnaphthalene.

5. The aqueous dispersion according to claim 4, wherein the macromer is a styrenic macromer having a polymerizable functional group at one end.

6. A water-based ink comprising the aqueous dispersion according to claim 1.

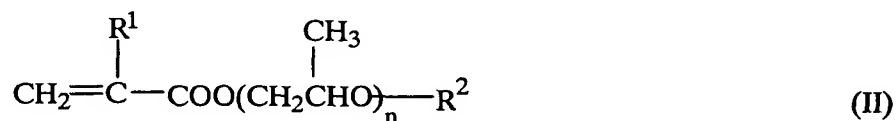
7. The water-based ink according to claim 6, wherein the water-insoluble vinyl polymer is prepared by polymerizing a monomer composition comprising:
(A) 0 to 45% by weight of a monomer A represented by formula (I):



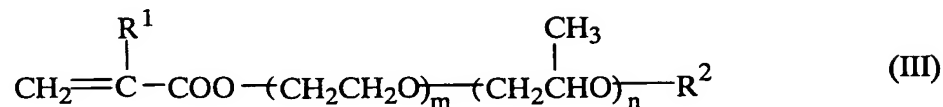
wherein R^1 is a hydrogen atom or a methyl group; R^2 is a hydrogen atom, an alkyl group having 1 to 20 carbon atoms or a phenyl group which may have an alkyl group having 1 to 9 carbon atoms; and m is a number of 1 to 30;

(B) 0 to 45% by weight of at least one monomer selected from the group consisting of:

a monomer B1 represented by formula (II):

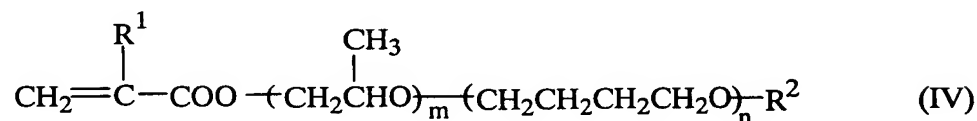


wherein R^1 and R^2 are as defined above; and n is a number of 1 to 30,
a monomer B2 represented by formula (III):



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wherein R^1 , R^2 , m and n are as defined above, and oxyethylene group and
oxypropylene group are added in a block or random form, and
a monomer B3 represented by formula (IV):



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wherein R^1 , R^2 , m and n are as defined above, and oxypropylene group and
oxytetramethylene group are added in a block or random form;

(C) 3 to 40% by weight of a monomer having a salt-forming group; and

(D) 15 to 87% by weight of a copolymerizable monomer copolymerizable

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with the monomer A, the monomer B1, the monomer B2, the monomer B3 and
the monomer having a salt-forming group,

wherein the total content of the monomer A and the monomer B is at least 5% by
weight.

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8. The water-based ink according to claim 7, wherein the copolymerizable
monomer comprises at least one monomer selected from the group consisting of

an aromatic ring-containing monomer and a macromer.

9. The water-based ink according to claim 8, wherein the aromatic ring-containing monomer is at least one member selected from the group consisting of
5 styrene, α -methylstyrene, vinyltoluene and vinylnaphthalene.

10. The water-based ink according to claim 8, wherein the macromer is a styrenic macromer having a polymerizable functional group at one end.